her	ISBN - 0495014	753 Publi	lisher - Thomson Learning		
Provided by the Publisher	Environmental Sci	Environmental Science			
Type - P1 Author - Miller					
ed by	Copyright - 2006	Edition - 11th	Readability - 10.8 Flesch-Kincaid		
rovide	Course - Environme	ental Science	Grade(s) - 9,10,11,12		
ā	Teacher Edition ISB	N if applicable	0534422586		
	Overall Recommend Overall Strengths, W		⊠ Recommended as Basal ents:		
	available for rev course. Teacher	iew. The text is and its will need to province the province of	CRITERIA		
Γ.	This basal resource				
P	A. Encompasses K Expectations	Y Content Standard	ds & Grade Level ☐ Moderate Evidence ☐ Little or No Evidence		
		designed to be used	d in an elective course outside the Program of Studies		
	1) Includes the 7 B	ig Ideas of science	e to the following extent:		
	a) Structure and	d Transformation of N	Matter ☐ Strong ☐ Moderate ☒ Little ☐ N/A		
	b) Motion and F	orces	☐ Strong ☐ Moderate ☐ Little ☑ N/A		
	c) The Earth an	d the Universe			
	d) Unity and Div	versity	☐ Strong ☐ Moderate ☒ Little ☐ N/A		
	e) Biological Ch	ange	☐ Strong ☐ Moderate ☒ Little ☐ N/A		
	f) Energy Trans	sformation	Strong		
	g) Interdepende	ence	Strong		
	understandings	ent-specific enduri from the related Pr			
	standards.				

the related Program of Studies standards.	
4) Content addressed is current, relevant and non- trivial	Strong
5) Provides opportunities for critical thinking/reasoning	Strong
 6) Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered e Specific weaknesses-which areas/concepts would likely 	
 c) Strong as it relates to environmental issues, only. environmental science. 5) The end of each chapter questions. 	
B. Functionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence
1) Suitability	Strong
 Should be suitable for use with a diverse population an ethnicity, gender, religion, social and/or geographic envany kind. 	
2) Content quality	Strong
 Free from factual errors Content is presented conceptually when possible—more Content included accurately represents the knowledge Theories/scientific models contained represent a broad 	base of the discipline
3) Connections to Literacy Note: may apply to either student or teacher editions	
 Employs a variety of reading levels and is grade/level at Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, and at multiple levels of difficulty for a variety of learning sty Student text provides opportunity to integrate reading at Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both tex Engaging text- does the text facilitate learning? Does understanding the text require having performed 	reinforcing vocabulary skills and concepts vles. and writing
4) Connections to Technology	
Later material and a selection of the death	

- Integrates technology and reflects the impact of technological advances Uses technology in the collection and/or manipulation of authentic data

5) Support for Diverse	e Learners
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Strona	П	Moderate	\times	Little

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms Note: may apply only to teacher edition

6) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The text contains a Learning Skills section for students with suggestions on how to improve their study methods and critical thinking skills. Text suggests ways for students to become involved in environmental issues. Every section contains blue font summary of the section. There are no chapter summaries at the end of the chapters. The website contains Chapter Objectives and Summaries, overview questions that the answers can be emailed to the instructor, Chapter Outline, Glossary, Flashcards, and pre-tests, Guest Essays, Web-links, InfoTrac College Edition articles. Also contains application "How You Would Vote?" and "What You Can Do" sections, Chapter Tests. Final Exams. All quizzes and tests are interactive.

C. Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence
1) Promotes Inquiry, research and Application of Learning	☐ Strong ☑ Moderate ☐ Little

- Provides opportunities for inquiry and research that includes activities such as self-selecting topics, formulating authentic questions, gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
 Note: may apply to either teacher or student edition

2) Skill Development

Strong Moderate X L

- Provides opportunities to make sense of data
- Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias)
- Provides opportunities to examine a range of types of evidence
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3)	Strengths.	Weaknesses,	Comments:
~,	Ou onguio,	TTCUINICOOCO,	

There are critical thinking questions in the book, but on-line has only multiple choice. The teacher would need to supplement with lab activities and inquiry investigations. No data collection labs are provided in the student text.			
D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence		
1) Engages Students			
 Includes content geared to the needs, interests, and abilities of sexperiments. Engages and motivates students using components such as read experiments, and data gathering. Includes information and activities that assist students in seeing appropriate) to their own lives and experiences. Provides a variety of strategies, activities, and materials to enhal appropriate learning levels. Activities are truly congruent to the concepts addressed, not met Note: may apply to either teacher or student edition. 	Il-life situations, simulations, relevance of concepts (where nce student learning at the		
2) Uses Assessment to Inform Instruction	☐ Strong ☑ Moderate ☐ Little		
 Includes multiple means of assessment as an integral part of instruction Provides evaluation measures in the teacher edition that supports differentiated learning activities Embedded assessments reflect a variety of Depth of Knowledge levels Note: may apply to either teacher or student edition 			
 3) Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific stron evaluation standards 	ng examples for individual		
The website contains overview questions that the answers can be emailed to the instructor, Chapter Outline, Glossary, Flashcards, and pre-tests, Guest Essays, Weblinks. Also contains application "How You Would Vote?" and "What You Can Do" sectionsto promote real-life application. The student text (p. 6) provides the student with Key Ideas and blue print summaries at the beginning of every section. The teacher manual was not provided so it is not known if the manual provides critical thinking activites in addition to those in the student text.			
	N 04 F		
E. Has an Organization/ Format that Supports Learning and Teaching			
1) Organizational Quality	Strong		

- Print and/or electronic materials present minimal barriers to learners
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

Included media are durable, easy to use and have technical merit

• Construction appears to be durable and able to withstand normal use

Strong Moderate Lit	g ☐ Moderate ☐ Little
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 Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Each textbook has free access to the Companion Website at biology.brookscole.com/miller11. The website contains Chapter Objectives and Summaries, overview questions that the answers can be emailed to the instructor, Chapter Outline, Glossary, Flashcards, and pre-tests, Guest Essays, Web-links. Every section contains blue font summary of the section. Vocabulary in bold print. Extensive captions under each photograph and illustration. References throughout the chapter to EnvironmentalScienceNow.

F. Has available Ancillary/ Gratis Ma	teria	IIS
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Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

⊠ Strong Evidence
■ Moderate Evidence
Little or No Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Ancillary: Laboratory Manual

Free with Purchase: Transparencies, DVD ABC News Environmental Science,

ExamView Win/Mac, Website.